

PTO/SB/08A (10-01)  
Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|   |   |    |                          |                        |           |
|---|---|----|--------------------------|------------------------|-----------|
| Substitute for form 1449A/PTO   |   |    | <b>Complete if Known</b> |                        |           |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) |   |    | Application Number       | 09/672,523             |           |
|   |   |    | Filing Date              | 09/27/2000             |           |
|   |   |    | First Named Inventor     | Kuriacose Joseph       |           |
|   |   |    | Art Unit                 | 2761                   |           |
|   |   |    | Examiner Name            | Kalinowski, A.         |           |
| Sheet   | 1 | of | 5                        | Attorney Docket Number | 5214P001R |

| U.S. PATENT DOCUMENTS          |                       |   |                                |  |   |
|--------------------------------|-----------------------|---|--------------------------------|--|---|
| Examiner Initials <sup>1</sup> | Cite No. <sup>1</sup> | Document Number<br>Number - Kind Code <sup>2</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
| <i>Al</i>                      | 1                     | US- 3,803,491   | 04.09.1974                     | Osborn   |   |
| <i>Al</i>                      | 2                     | US- 3,891,792   | 06.24.1975                     | Kimura   |   |
| <i>Al</i>                      | 3                     | US- 4,264,925   | 04.28.1981                     | Freeman et al.                                     |   |
| <i>Al</i>                      | 4                     | US- 4,323,922   | 04.06.1982                     | den Toonder et al.                                 |   |
| <i>Al</i>                      | 5                     | US- 4,528,589   | 07.09.1985                     | Block et al.                                       |   |
| <i>Al</i>                      | 6                     | US- 4,724,521   | 02.09.1988                     | Carron et al.                                      |   |
| <i>Al</i>                      | 7                     | US- 4,851,994   | 07.25.1989                     | Toda et al.  |   |
| <i>Al</i>                      | 8                     | US- 4,935,870   | 06.19.1990                     | Burk, Jr. et al.                                   |   |
| <i>Al</i>                      | 9                     | US- 4,937,784   | 06.26.1990                     | Masai et al.                                       |   |
| <i>Al</i>                      | 10                    | US- 4,965,825   | 10.23.1990                     | Harvey et al.                                      |   |
| <i>Al</i>                      | 11                    | US- 4,991,011   | 02.05.1991                     | Johnson et al.                                     |   |
| <i>Al</i>                      | 12                    | US- 5,003,591   | 03.26.1991                     | Kaufman et al.                                     |   |
| <i>Al</i>                      | 13                    | US- 5,036,314   | 07.30.1991                     | Barillari et al.                                   |   |
| <i>Al</i>                      | 14                    | US- 5,129,080   | 07.07.1992                     | Smith  |   |
| <i>Al</i>                      | 15                    | US- 5,132,992   | 07.21.1992                     | Yurt et al.  |   |
| <i>Al</i>                      | 16                    | US- 5,191,410   | 03.02.1993                     | McCalley et al.                                    |   |
| <i>Al</i>                      | 17                    | US- 5,191,573   | 03.02.1993                     | Hair   |   |
| <i>Al</i>                      | 18                    | US- 5,195,092   | 03.16.1993                     | Wilson et al.                                      |   |
| <i>Al</i>                      | 19                    | US- 5,204,947   | 04.20.1993                     | Bernstein et al.                                   |   |
| <i>Al</i>                      | 20                    | US- 5,233,654   | 08.03.1993                     | Harvey et al.                                      |   |

RECEIVED  
APR 01 2002  
Technology Center 2100

| FOREIGN PATENT DOCUMENTS       |                       |                           |  |                                |  |   |
|--------------------------------|-----------------------|---------------------------|--|--------------------------------|--|---|
| Examiner Initials <sup>1</sup> | Cite No. <sup>1</sup> | Foreign Patent Document   |  | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                                |                       | Country Code <sup>3</sup> | -Number <sup>4</sup> - Kind Code <sup>5</sup> (if known) |                                |  |   |
| <i>Al</i>                      | 21                    | EP                        | 0 145 063 A2   | 06.19.1985                     | International Standard Electric Corporation        |   |
| <i>Al</i>                      | 22                    | EP                        | 0 145 063 B1   | 06.19.1985                     | International Standard Electric Corporation        |   |
| <i>Al</i>                      | 23                    | EP                        | 0 570 683 A2   | 11.24.1993                     | International Business Machines Corporation        |   |
| <i>Al</i>                      | 24                    | EP                        | 0 570 683 A3   | 11.24.1993                     | International Business Machines Corporation        |   |
| <i>Al</i>                      | 25                    | EP                        | 0 583 186 B1   | 02.16.1994                     | Queniat, Jean-François                             |   |
| <i>Al</i>                      | 26                    | EP                        | 0 399 300 A2   | 11.28.1990                     | Hitachi, LTD.                                      |   |
|                                | 27                    |                           |  |                                |  |   |
|                                | 28                    |                           |  |                                |  |   |
|                                | 29                    |                           |  |                                |  |   |
|                                | 30                    |                           |  |                                |  |   |

|                    |                        |                 |                |
|--------------------|------------------------|-----------------|----------------|
| Examiner Signature | <i>Merick Colander</i> | Date Considered | <i>11/1/02</i> |
|--------------------|------------------------|-----------------|----------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



PTO/SB/08B (10-01)  
Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|   |   |    |                          |                        |           |
|---|---|----|--------------------------|------------------------|-----------|
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) |   |    | <b>Complete if Known</b> |                        |           |
|   |   |    | Application Number       | 09/672,523             |           |
|   |   |    | Filing Date              | 09/27/2000             |           |
|   |   |    | First Named Inventor     | Kuriacose Joseph       |           |
|   |   |    | Group Art Unit           | 2761                   |           |
|   |   |    | Examiner Name            | Kalinowski, A.         |           |
| Sheet   | 2 | of | 5                        | Attorney Docket Number | 5214P001R |

RECEIVED  
APR 01 2002

| OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS |                       |  |                |
|--|-----------------------|--|----------------|
| Examiner Initials                                  | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published   | T <sup>2</sup> |
| Ac   | 31                    | Green N, Hedger J, "ORACLE on Independent Television" Sept. 1976.  |                |
| Ac   | 32                    | Hedger, J, "Broadcast Telesoftware: Experience with ORACLE" Online conferences Ltd., 1980.   |                |
| Ac   | 33                    | Ammar M H, Wong JW, "The Design of Teletext Broadcast Cycles" Elsevier Science Publishers B.V., 1985 (Received May 13, 1984). [Wong's group, Dept of Computer Science, University of Waterloo, Ontario, Canada]  |                |
| Ac   | 34                    | Gifford D K, Lucassen J M, Berlin S T, "The Application of Digital Broadcast Communication to Large Scale Information Systems" IEEE Journal on Selected Areas in Communications, Vol. SAC-3, No. 3, May 1985 (received Sept. 19, 1984). [MIT lab, Gifford's group]   |                |
| Ac   | 35                    | Wong J W, "Broadcast Delivery" Proceedings of IEEE, Vol. 76, No. 12, Dec 1988 (Received April 15 1988).  |                |
| Ac   | 36                    | Herman G, Gopal G, Lee K C, Weinrib A, "The Datacycle Architecture for Very High Throughput Database Systems" Proceedings of Association for Computing Machinery Special Interest Group on Management of Data, 1987 Annual Conference, San Francisco, May 27-29, 1987. [Bell Lab, Herman & Gopal's group, Bell Communications Research, Inc., Morristown, NJ.] |                |
| Ac   | 37                    | Gifford D K, "Polychannel Systems for Mass Digital Communication" Communications of ACM, Vol. 33, Number 2, Feb. 1990. [MIT lab, Gifford's group]  |                |
| Ac   | 38                    | Bowen T F, Goapl G, Herman G, Hickey T, Lee K C, Mansfield W H, Raitz J, Weinrib A, "The Datacycle Architecture" Communications of the ACM, Vol. 35, No. 12, Dec. 1992.  |                |
| Ac   | 39                    | Antonelli C J, Honeyman P, "Integrating Mass Storage and File Systems", Proceedings, Twelfth IEEE Symposium on Mass Storage Systems, April 26-29, 1993, Monterey, CA.  |                |
| Ac   | 40                    | Zdonik S, "Are "Disks in the Air" Just Pie in the Sky?" IEEE, Workshop on Mobile Computing Systems and Applications, Santa Cruz, CA, Dec. 1994. [Brown's lab, Zdonik's Group, Dept. of Computer Science, Brown Univ., affiliated with Dept. of Computer Science, University of Maryland]   |                |
| Ac   | 41                    | Acharya S, Alonso R, Franklin M, Zdonik S, "Broadcast Disk: Data Management for Asymmetric Communication Environments" Proceedings of the ACM SIGMOD International conference on Management of Data, San Jose, CA May 1995 (first published in Brown University Technical Report CS-94-43, October 1994).  |                |

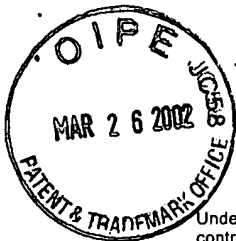
Technology Center 2100

|                    |                    |                 |          |
|--------------------|--------------------|-----------------|----------|
| Examiner Signature | <i>[Signature]</i> | Date Considered | 11/14/02 |
|--------------------|--------------------|-----------------|----------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



PTO/SB/08A (10-01)  
Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|   |   |    |   |                          |                  |
|---|---|----|---|--------------------------|------------------|
| Substitute for form 1449A/PTO   |   |    |   | <b>Complete if Known</b> |                  |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) |   |    |   | Application Number       | 09/672,523       |
|   |   |    |   | Filing Date              | 09/27/2000       |
|   |   |    |   | First Named Inventor     | Kuriacose Joseph |
|   |   |    |   | Art Unit                 | 2761             |
|   |   |    |   | Examiner Name            | Kalinowski, A.   |
| Sheet   | 3 | of | 5 | Attorney Docket Number   | 5214P001R        |

| U.S. PATENT DOCUMENTS          |                       |  |              |                                |  |   |
|--------------------------------|-----------------------|--|--------------|--------------------------------|--|---|
| Examiner Initials <sup>5</sup> | Cite No. <sup>1</sup> | Document Number                            |              | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                                |                       | Number - Kind Code <sup>2</sup> (if known) |              |                                |  |   |
| <i>Al</i>                      | 1                     | US-  | 5,343,239    | 08.30.1994                     | Lappington et al.                                  |   |
| <i>Al</i>                      | 2                     | US-  | 5,440,744    | 08.08.1995                     | Jacobson et al.                                    |   |
| <i>Al</i>                      | 3                     | US-  | 5,539,449    | 07.23.1996                     | Blahut et al.                                      |   |
| <i>Al</i>                      | 4                     | US-  | 5,548,532    | 08.20.1996                     | Menand et al.                                      |   |
| <i>Al</i>                      | 5                     | US-  | 5,600,364    | 02.04.1997                     | Hendricks et al.                                   |   |
| <i>Al</i>                      | 6                     | US-  | 5,666,293    | 09.09.1997                     | Metz et al.  |   |
| <i>Al</i>                      | 7                     | US-  | 5,729,549    | 03.17.1998                     | Kostreski et al.                                   |   |
| <i>Al</i>                      | 8                     | US-  | 5,734,589    | 03.31.1998                     | Kostreski et al.                                   |   |
| <i>Al</i>                      | 9                     | US-  | 5,768,539    | 06.16.1998                     | Metz et al.  |   |
| <i>Al</i>                      | 10                    | US-  | 5,805,825    | 09.08.1998                     | Danneels et al.                                    |   |
| <i>Al</i>                      | 11                    | US-  | 5,822,324    | 10.13.1998                     | Kostresti et al.                                   |   |
| <i>Al</i>                      | 12                    | US-  | 5,826,166    | 10.20.1998                     | Brooks et al.                                      |   |
| <i>Al</i>                      | 13                    | US-  | 5,951,639    | 09.14.1999                     | MacInnis   |   |
| <i>Al</i>                      | 14                    | US-  | 5,973,684    | 10.26.1999                     | Brooks et al.                                      |   |
| <i>Al</i>                      | 15                    | US-  | 5,978,855    | 11.02.1999                     | Metz et al.  |   |
| <i>Al</i>                      | 16                    | US-  | 6,130,898    | 10.10.2000                     | Kostreski et al.                                   |   |
| <i>Al</i>                      | 17                    | US-  | 6,185,585 B1 | 02.06.2001                     | Sequeira   |   |
| <i>Al</i>                      | 18                    | US-  | 6,195,364 B1 | 02.27.2001                     | Brodigan   |   |
| <i>Al</i>                      | 19                    | US-  | 6,222,530 B1 | 04.24.2001                     | Sequeira   |   |
| <i>Al</i>                      | 20                    | US-  | 5,936,659    | 08-10-1999                     | Viswanathan et al.                                 |   |

RECEIVED  
APR 01 2001  
Technology Center

RECEIVED

APR 01 2002

Technology Center 2100

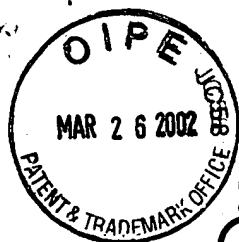
| FOREIGN PATENT DOCUMENTS       |                       |   |                                |  |   |                |
|--------------------------------|-----------------------|---|--------------------------------|--|---|----------------|
| Examiner Initials <sup>5</sup> | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear | T <sup>6</sup> |
|                                |                       | Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known) |                                |  |   |                |
|                                | 21                    |   |                                |  |   |                |
|                                | 22                    |   |                                |  |   |                |
|                                | 23                    |   |                                |  |   |                |
|                                | 24                    |   |                                |  |   |                |
|                                | 25                    |   |                                |  |   |                |
|                                | 26                    |   |                                |  |   |                |
|                                | 27                    |   |                                |  |   |                |
|                                | 28                    |   |                                |  |   |                |
|                                | 29                    |   |                                |  |   |                |
|                                | 30                    |   |                                |  |   |                |

|                    |                           |                 |          |
|--------------------|---------------------------|-----------------|----------|
| Examiner Signature | <i>Alexander K. K. K.</i> | Date Considered | 11/14/02 |
|--------------------|---------------------------|-----------------|----------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|   |   |                             |                  |                               |           |
|---|---|-----------------------------|------------------|-------------------------------|-----------|
| Substitute for form 1449B/PTO   |   | <b>Complete if Known</b>    |                  |                               |           |
|   |   | <b>Application Number</b>   | 09/672,523       |                               |           |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) |   | <b>Filing Date</b>          | 09/27/2000       |                               |           |
|   |   | <b>First Named Inventor</b> | Kuriacose Joseph |                               |           |
|   |   | <b>Group Art Unit</b>       | 2761             |                               |           |
|   |   | <b>Examiner Name</b>        | Kalinowski, A.   |                               |           |
| <b>Sheet</b>  | 4 | <b>of</b>                   | 5                | <b>Attorney Docket Number</b> | 5214P001R |

| <b>OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS</b> |                          |  |                |
|---|--------------------------|--|----------------|
| Examiner<br>Initials*                                     | Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.  | T <sup>2</sup> |
| AK  | 31                       | Acharya S, Alonso R, Franklin M, Zdonik S, "Dissemination-based Data Delivery Using Broadcast Disks" IEEE Personal Communications, Vol. 2(6), 50-60, 1995.   |                |
| AK  | 32                       | Imielinski T, Viswanathan S, Badrinath B R, "Power Efficient Filtering of Data on Air" Advances in Database Technology - EDBT '94, Proceedings, 4th International conference on Extending Database Technology, Cambridge, United Kingdom, March 28-31, 1994. [Rutger's group, Imielinski's lab, Dept. of Computer Science, Rutgers University] |                |
| AK  | 33                       | Imielinski T, Viswanathan S, Badrinath B R, "Energy Efficient Indexing on Air" Proceedings of the 1994 ACM SIGMOD, International Conference on Management of Data, Minneapolis, Minnesota, May 24-27, 1994.  |                |
| AK  | 34                       | Imielinski T, Badrinath B R, "Mobile Wireless Computing" Communications of the ACM, Vol. 37, No. 10, October 1994.   |                |
| AK  | 35                       | Dr. Hisham El-Shishiny, et al., "A Regional Broadcast-Centric Education System", IEEE Symposium on Computers and Communications, Alexandria, Egypt, July 1-3, 1997.  |                |
|   | 36                       |  |                |
|   | 37                       |  |                |
|   | 38                       |  |                |
|   | 39                       |  |                |
|   | 40                       |  |                |
|   | 41                       |  |                |

RECEIVED

APR 01 2002

Technology Center 2100

|                               |                                |                            |               |
|-------------------------------|--------------------------------|----------------------------|---------------|
| <b>Examiner<br/>Signature</b> | <i>Alexander A. Kalinowski</i> | <b>Date<br/>Considered</b> | <i>4/1/02</i> |
|-------------------------------|--------------------------------|----------------------------|---------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



PTO/SB/08A (10-01)  
Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|   |          |           |                           |                               |                  |
|---|----------|-----------|---------------------------|-------------------------------|------------------|
| <b>Substitute for form 1449A/PTO</b><br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) |          |           | <b>Complete if Known</b>  |                               |                  |
|   |          |           | <b>Application Number</b> | 09/672,523                    |                  |
| <b>Sheet</b>  | <b>5</b> | <b>of</b> | <b>5</b>                  | <b>Filing Date</b>            | 09/27/2000       |
|   |          |           |                           | <b>First Named Inventor</b>   | Kuriacose Joseph |
|   |          |           |                           | <b>Art Unit</b>               | 2761             |
|   |          |           |                           | <b>Examiner Name</b>          | Kalinowski, A.   |
|   |          |           |                           | <b>Attorney Docket Number</b> | 5214P001R        |

| U.S. PATENT DOCUMENTS          |                       |                 |                                   |                                |  |   |
|--------------------------------|-----------------------|-----------------|-----------------------------------|--------------------------------|--|---|
| Examiner Initials <sup>1</sup> | Cite No. <sup>1</sup> | Document Number |                                   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                                |                       | Number          | Kind Code <sup>2</sup> (if known) |                                |  |   |
| de<br>de<br>de                 | 1                     | US-             | 6,240,448 B1                      | 05-29-2001                     | Imielinski et al.                                  |   |
|                                | 2                     | US-             | 5,706,435                         | 01-06-1998                     | Barbará et al.                                     |   |
|                                | 3                     | US-             | 5,168,356                         | 12-01-1992                     | Acampora et al.                                    |   |
|                                | 4                     | US-             | 5,581,704                         | 12-03-1996                     | Barbará et al.                                     |   |
|                                | 5                     | US-             |                                   |                                |  |   |
|                                | 6                     | US-             |                                   |                                |  |   |
|                                | 7                     | US-             |                                   |                                |  |   |
|                                | 8                     | US-             |                                   |                                |  |   |
|                                | 9                     | US-             |                                   |                                |  |   |
|                                | 10                    | US-             |                                   |                                |  |   |
|                                | 11                    | US-             |                                   |                                |  |   |
|                                | 12                    | US-             |                                   |                                |  |   |
|                                | 13                    | US-             |                                   |                                |  |   |
|                                | 14                    | US-             |                                   |                                |  |   |
|                                | 15                    | US-             |                                   |                                |  |   |
|                                | 16                    | US-             |                                   |                                |  |   |
|                                | 17                    | US-             |                                   |                                |  |   |
|                                | 18                    | US-             |                                   |                                |  |   |
|                                | 19                    | US-             |                                   |                                |  |   |
|                                | 20                    | US-             |                                   |                                |  |   |

RECEIVED  
APR 01 2002  
Technology Center 2

RECEIVED  
APR 01 2002  
Technology Center 2100

| FOREIGN PATENT DOCUMENTS          |                          |                           |  |                                |  |   |                |
|-----------------------------------|--------------------------|---------------------------|--|--------------------------------|--|---|----------------|
| Examiner<br>Initials <sup>2</sup> | Cite<br>No. <sup>1</sup> | Foreign Patent Document   |  | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear | T <sup>6</sup> |
|                                   |                          | Country Code <sup>3</sup> | -Number <sup>4</sup> - Kind Code <sup>5</sup> (if known) |                                |  |   |                |
|                                   | 21                       |                           |  |                                |  |   |                |
|                                   | 22                       |                           |  |                                |  |   |                |
|                                   | 23                       |                           |  |                                |  |   |                |
|                                   | 24                       |                           |  |                                |  |   |                |
|                                   | 25                       |                           |  |                                |  |   |                |
|                                   | 26                       |                           |  |                                |  |   |                |
|                                   | 27                       |                           |  |                                |  |   |                |
|                                   | 28                       |                           |  |                                |  |   |                |
|                                   | 29                       |                           |  |                                |  |   |                |
|                                   | 30                       |                           |  |                                |  |   |                |

|                               |                        |                            |                 |
|-------------------------------|------------------------|----------------------------|-----------------|
| <b>Examiner<br/>Signature</b> | <i>Alexander Salas</i> | <b>Date<br/>Considered</b> | <i>11/14/01</i> |
|-------------------------------|------------------------|----------------------------|-----------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.